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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/748,086	12/30/2003	Thomas Conrad	30691/MEY5102	6874
4743 75	590 02/14/2005		EXAMINER	
MARSHALL, GERSTEIN & BORUN LLP			KOSLOW, CAROL M	
6300 SEARS TOWER 233 S. WACKER DRIVE CHICAGO, IL 60606		ART UNIT	PAPER NUMBER	
			1755	
			DATE MAILED: 02/14/2005	5

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/748,086	CONRAD ET AL.
Office Action Summary	Examiner	Art Unit
	C. Melissa Koslow	1755
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on 2a) ☐ This action is FINAL. 2b) ☐ This 3) ☐ Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro	
Disposition of Claims		
4) Claim(s) 1-35 is/are pending in the application. 4a) Of the above claim(s) is/are withdrav 5) Claim(s) 1-14,28,29 and 32-35 is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) 15-27,30 and 31 is/are objected to. 8) Claim(s) are subject to restriction and/or	vn from consideration.	•
Application Papers		
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the conference of the	epted or b) objected to by the Idrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) □ All b) □ Some * c) ☑ None of: 1. ☑ Certified copies of the priority documents 2. □ Certified copies of the priority documents 3. □ Copies of the certified copies of the priority application from the International Bureau	s have been received. s have been received in Applicati ity documents have been receive ı (PCT Rule 17.2(a)).	on No ed in this National Stage
* See the attached detailed Office action for a list	of the certified copies not receive	ed.
Attachment(s)	4) Interview Summary	(PTO 412)
Notice of References Cited (PTO-692) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da	

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The listing of references in the specification is not a proper information disclosure statement. 37 CFR 1.98(b) requires a list of all patents, publications, or other information submitted for consideration by the Office, and MPEP § 609 A(1) states, "the list may not be incorporated into the specification but must be submitted in a separate paper." Therefore, unless the references have been cited by the examiner on form PTO-892, they have not been considered.

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: There is no teaching in the specification that the amount of claimed stabilizing amount of CaO in claims 12, 13, 25 and 26. There is no teaching in the specification of size fraction and surface area in claim 27.

Claims 1-14, 28, 29 and 32-35 are allowable over the cited art of record.

Claim 27 is objected to as being dependent upon an objected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

There is no teaching or suggestion of the claimed glass-ceramic powder, glass-ceramic, the method for making the glass-ceramic and dental products and dental material containing the claimed glass-ceramic are not taught or suggested by the cited art of record.

U.S. patent 4,978,640 teaches a dispersion strengthened glass composite which contains nanosized metal oxides, but there is no teaching or suggestion I the art to replace the taught glass with a leucite glass-ceramic. U.S. patent 5,698,019 teaches a leucite glass-ceramic which contains a nanosized second phase, but the taught nanosized second phase contain phosphorous,

which means it is not a metal oxide. U.S. patent application publication 2004/0121894 teaches a leucite glass-ceramic containing a refractory filler phase, but since the taught filler must have a refractive index similar to the rest of the composition, it has a particle size greater than 300 nm. This reference also teaches forming a glass-ceramic from mixing a glass frit and a leucite glass-ceramic frit, but the that size distribution is such that there is no motivation to include nanosized particles as a dispersion strengthening additive, as taught by U.S. patent 4,978,640.

Claims 15-26, 30 and 31 are objected to under 37 CFR 1.75 as being a substantial duplicate of claims 2-13, 28 and 29. When two claims in an application are duplicates or else are so close in content that they both cover the same thing, despite a slight difference in wording, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim. See MPEP § 706.03(k).

The doped glass-ceramic produced from the powder of claim 1 is the same as the glass-ceramic of claim 2 as indicated by the process of claim 32 and the teachings on page 4, lines 14-20.

This application is in condition for allowance except for the above formal matters.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melissa Koslow whose telephone number is (571) 272-1371. The examiner can normally be reached on Monday-Friday from 8:00 AM to 3:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Bell, can be reached at (571) 272-1362.

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The fax number for all official communications is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

cmk February 11, 2005 C. Melissa Koslow Primary Examiner Tech. Center 1700